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Proposals from the Script Encoding Initiative

Title

Proposal to encode modern Bamum in the BMP of the UCS

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Peer reviewed

Universal Multiple-Octet Coded Character Set
International Organization for Standardization
Organisation Internationale de Normalisation
Международная организация по стандартизации

Doc Type: Working Group Document**Title:** Proposal to encode modern Bamum in the BMP of the UCS**Source:** Bamum Scripts and Archives Project in the Palace of Bamum Kings,
& the UC Berkeley Script Encoding Initiative (Universal Scripts Project)**Authors:** Michael Everson, Charles Riley, Konrad Tuchscherer**Status:** Liaison Contribution**Action:** For consideration by JTC1/SC2/WG2 and UTC**Replaces:** N3209R2**Date:** 2007-10-12

Document N3209R2 (L2/07-024R) “Preliminary proposal for encoding the Bamum script in the BMP of the UCS” by Michael Everson and Charles Riley presented a proposal to encode the modern Bamum script of Cameroon. Both WG2 and the UTC approved the repertoire for balloting in PDAM 5. Although none of the JTC1/SC2 National Bodies objected to the content of the script, the Bamum Scripts and Archives Project in the Palace of Bamum Kings, Foumban, Cameroun, requested additional time to study the repertoire and character names. That review has been completed, and we now request that modern Bamum be returned to the balloting process.

The preliminary descriptive text and accompanying illustrations from N3209R2 are currently being reviewed and when that review is complete the text will be merged into a revised version of the present document, as N3522R. The material in the present document, however, is technically correct and we consider the character repertoire and names to be mature for encoding, and we request that WG2 and the UTC consider it in that light.

1. Structure. The Bamum script is a left-to-right script containing 80 base characters, two combining diacritics, and six punctuation marks. One of the diacritics, the KOQNDON (from *koʔndon*), is regularly applied to all of the 80 base characters to extend the syllabic repertoire. The other, the TUKWENTIS, is known to be used with only 13 base characters. There is a certain amount of glyph variation in Bamum; the representative glyphs in the code chart are typical of modern usage.

2. Character names. The transcription used in the character names follows the IPA forms given in Dugast and Jeffreys 1950. The following conventions are used:

| | | | | | | | | | | | | | | | | |
|---------|---|---|---|---|----|----|---|----|---|---|---|---|---|---|----|---|
| Dugast | a | b | d | ɛ | e | ə | f | ɣ | g | i | k | l | m | n | ŋ | ɔ |
| English | a | b | d | e | ee | ae | f | gh | g | i | k | l | m | n | ng | o |
| French | a | b | d | è | é | e | f | gh | g | i | k | l | m | n | ng | o |

| | | | | | | | | | | | | | | | |
|---------|---|---|---|----|---|---|----|----|---|---|---|---|---|---|---|
| Dugast | p | r | s | ʃ | t | u | ü | ʉ | v | w | x | y | z | ʒ | ʔ |
| English | p | r | s | sh | t | u | ue | eu | v | w | x | y | z | j | q |
| French | p | r | s | sh | t | u | ü | ù | v | w | x | y | z | j | ' |

A6A8;BAMUM LETTER NYI;Lo;0;L;;;;N;;;;;
A6A9;BAMUM LETTER I;Lo;0;L;;;;N;;;;;
A6AA;BAMUM LETTER LA;Lo;0;L;;;;N;;;;;
A6AB;BAMUM LETTER PA;Lo;0;L;;;;N;;;;;
A6AC;BAMUM LETTER RII;Lo;0;L;;;;N;;;;;
A6AD;BAMUM LETTER RIEE;Lo;0;L;;;;N;;;;;
A6AE;BAMUM LETTER LEEEE;Lo;0;L;;;;N;;;;;
A6AF;BAMUM LETTER MEEEE;Lo;0;L;;;;N;;;;;
A6B0;BAMUM LETTER TAA;Lo;0;L;;;;N;;;;;
A6B1;BAMUM LETTER NDAA;Lo;0;L;;;;N;;;;;
A6B2;BAMUM LETTER NJAEM;Lo;0;L;;;;N;;;;;
A6B3;BAMUM LETTER M;Lo;0;L;;;;N;;;;;
A6B4;BAMUM LETTER SUU;Lo;0;L;;;;N;;;;;
A6B5;BAMUM LETTER MU;Lo;0;L;;;;N;;;;;
A6B6;BAMUM LETTER SHII;Lo;0;L;;;;N;;;;;
A6B7;BAMUM LETTER SI;Lo;0;L;;;;N;;;;;
A6B8;BAMUM LETTER SHEUX;Lo;0;L;;;;N;;;;;
A6B9;BAMUM LETTER SEUX;Lo;0;L;;;;N;;;;;
A6BA;BAMUM LETTER KYEE;Lo;0;L;;;;N;;;;;
A6BB;BAMUM LETTER KET;Lo;0;L;;;;N;;;;;
A6BC;BAMUM LETTER NUA;Lo;0;L;;;;N;;;;;
A6BD;BAMUM LETTER NU;Lo;0;L;;;;N;;;;;
A6BE;BAMUM LETTER NJUAE;Lo;0;L;;;;N;;;;;
A6BF;BAMUM LETTER YOQ;Lo;0;L;;;;N;;;;;
A6C0;BAMUM LETTER SHU;Lo;0;L;;;;N;;;;;
A6C1;BAMUM LETTER YUQ;Lo;0;L;;;;N;;;;;
A6C2;BAMUM LETTER YA;Lo;0;L;;;;N;;;;;
A6C3;BAMUM LETTER NSHA;Lo;0;L;;;;N;;;;;
A6C4;BAMUM LETTER KEUX;Lo;0;L;;;;N;;;;;
A6C5;BAMUM LETTER PEUX;Lo;0;L;;;;N;;;;;
A6C6;BAMUM LETTER NJEE;Lo;0;L;;;;N;;;;;
A6C7;BAMUM LETTER NTEE;Lo;0;L;;;;N;;;;;
A6C8;BAMUM LETTER PUE;Lo;0;L;;;;N;;;;;
A6C9;BAMUM LETTER WUE;Lo;0;L;;;;N;;;;;
A6CA;BAMUM LETTER PEE;Lo;0;L;;;;N;;;;;
A6CB;BAMUM LETTER FEE;Lo;0;L;;;;N;;;;;
A6CC;BAMUM LETTER RU;Lo;0;L;;;;N;;;;;
A6CD;BAMUM LETTER LU;Lo;0;L;;;;N;;;;;
A6CE;BAMUM LETTER MI;Lo;0;L;;;;N;;;;;
A6CF;BAMUM LETTER NI;Lo;0;L;;;;N;;;;;
A6D0;BAMUM LETTER REUX;Lo;0;L;;;;N;;;;;
A6D1;BAMUM LETTER RAE;Lo;0;L;;;;N;;;;;
A6D2;BAMUM LETTER KEN;Lo;0;L;;;;N;;;;;
A6D3;BAMUM LETTER NGKWAEN;Lo;0;L;;;;N;;;;;
A6D4;BAMUM LETTER NGGA;Lo;0;L;;;;N;;;;;
A6D5;BAMUM LETTER NGA;Lo;0;L;;;;N;;;;;
A6D6;BAMUM LETTER SHO;Lo;0;L;;;;N;;;;;
A6D7;BAMUM LETTER PUAE;Lo;0;L;;;;N;;;;;
A6D8;BAMUM LETTER FU;Lo;0;L;;;;N;;;;;
A6D9;BAMUM LETTER FOM;Lo;0;L;;;;N;;;;;
A6DA;BAMUM LETTER WA;Lo;0;L;;;;N;;;;;
A6DB;BAMUM LETTER NA;Lo;0;L;;;;N;;;;;
A6DC;BAMUM LETTER LI;Lo;0;L;;;;N;;;;;
A6DD;BAMUM LETTER PI;Lo;0;L;;;;N;;;;;
A6DE;BAMUM LETTER LOQ;Lo;0;L;;;;N;;;;;
A6DF;BAMUM LETTER KO;Lo;0;L;;;;N;;;;;
A6E0;BAMUM LETTER MBEN;Lo;0;L;;;;N;;;;;
A6E1;BAMUM LETTER REN;Lo;0;L;;;;N;;;;;
A6E2;BAMUM LETTER MEN;Lo;0;L;;;;N;;;;;
A6E3;BAMUM LETTER MA;Lo;0;L;;;;N;;;;;
A6E4;BAMUM LETTER TI;Lo;0;L;;;;N;;;;;
A6E5;BAMUM LETTER KI;Lo;0;L;;;;N;;;;;
A6E6;BAMUM LETTER MO;Nl;0;L;;;1;N;;;;;
A6E7;BAMUM LETTER MBAA;Nl;0;L;;;2;N;;;;;
A6E8;BAMUM LETTER TET;Nl;0;L;;;3;N;;;;;
A6E9;BAMUM LETTER KPA;Nl;0;L;;;4;N;;;;;
A6EA;BAMUM LETTER TEN;Nl;0;L;;;5;N;;;;;
A6EB;BAMUM LETTER NTUU;Nl;0;L;;;6;N;;;;;
A6EC;BAMUM LETTER SAMBA;Nl;0;L;;;7;N;;;;;
A6ED;BAMUM LETTER FAAMAE;Nl;0;L;;;8;N;;;;;

A6EE;BAMUM LETTER KOVUE;Nl;0;L;;;9;N;;;;;
 A6EF;BAMUM LETTER KOGHOM;Nl;0;L;;;0;N;;;;;
 A6F0;BAMUM COMBINING MARK KOQNDON;Mn;230;NSM;;;;;N;;;;;
 A6F1;BAMUM COMBINING MARK TUKWENTIS;Mn;230;NSM;;;;;N;;;;;
 A6F2;BAMUM NJAEMLI;Po;0;ON;;;;;N;;;;;
 A6F3;BAMUM FULL STOP;Po;0;CS;;;;;N;;;;;
 A6F4;BAMUM COLON;Po;0;CS;;;;;N;;;;;
 A6F5;BAMUM COMMA;Po;0;CS;;;;;N;;;;;
 A6F6;BAMUM SEMICOLON;Po;0;ON;;;;;N;;;;;
 A6F7;BAMUM QUESTION MARK;Po;0;ON;;;;;N;;;;;

7. Bibliography.

- Dugast, J. & M. D. W. Jeffreys. 1950. *L'écriture des bamum: sa naissance, son evolution, sa valeur phonétique, son utilisation*. Mémoires de l'Institut Français d'Afrique Noire, Centre du Cameroun.
- Nchare, Oumarou. [s.d.]. *The Writing of King Njoya: genesis, evolution, use*. Foumban: Palais des Rois Bamoun, Maison de la Culture.
- Schmitt, Alfred. 1963. *Die Bamum-Schrift*. Band I: Text. Wiesbaden: Otto Harrassowitz.

Acknowledgements

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A. Administrative

1. Title

Proposal to encode modern Bamum in the BMP of the UCS

2. Requester's name

Bamum Scripts and Archives Project in the Palace of Bamum Kings, & the UC Berkeley Script Encoding Initiative (Universal Scripts Project); authors: Michael Everson, Charles Riley, Konrad Tuchscherer

3. Requester type (Member body/Liaison/Individual contribution)

Liaison contribution.

4. Submission date

2008-10-12

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

No.

6b. More information will be provided later

Yes.

B. Technical – General

1. Choose one of the following:

1a. This proposal is for a new script (set of characters)

Yes.

1b. Proposed name of script

Bamum.

1c. The proposal is for addition of character(s) to an existing block

No.

1d. Name of the existing block

2. Number of characters in proposal

88

3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

Category A.

4a. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Jason Glavy via Michael Everson.

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer.

7a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

No.

7b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

8. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

Yes.

9. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

See above.

C. Technical – Justification

1. Has this proposal for addition of character(s) been submitted before? If YES, explain.

No.

2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?

Yes.

2b. If YES, with whom?

Oumarou Nchare (Director of Cultural Affairs, Bamum King's Palace, Foumban), Aboubakar Njiassé Njoya, Zakari Nkepu, Konrad Tuchscherer.

2c. If YES, available relevant documents

3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?

In Cameroon.

4a. The context of use for the proposed characters (type of use; common or rare)

Used to write the Bamum language.

4b. Reference

5a. Are the proposed characters in current use by the user community?

Yes.

5b. If YES, where?

In Cameroon.

6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?

Yes. Positions A680-A6FF are proposed.

6b. If YES, is a rationale provided?

Yes.

6c. If YES, reference

Contemporary use.

7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?

Yes.

8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?

No.

8b. If YES, is a rationale for its inclusion provided?

8c. If YES, reference

9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?

No.

9b. If YES, is a rationale for its inclusion provided?

9c. If YES, reference

10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?

Yes, but only superficially so.

10b. If YES, is a rationale for its inclusion provided?

Yes.

10c. If YES, reference

Script-specific diacritics are appropriate for this script due to the origin, typical glyph size, and semantics of the diacritics. We oppose unification with generic circumflex and macron.

11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?

Yes.

11b. If YES, is a rationale for such use provided?

No

11c. If YES, reference

11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?

Yes.

11e. If YES, reference

12a. Does the proposal contain characters with any special properties such as control function or similar semantics?































































































No.

12b. If YES, describe in detail (include attachment if necessary)

13a. Does the proposal contain any Ideographic compatibility character(s)?

No.

13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?

| | A6A | A6B | A6C | A6D | A6E | A6F |
|---|---|---|---|---|---|--|
| 0 |  A6A0 |  A6B0 |  A6C0 |  A6D0 |  A6E0 |  A6F0 |
| 1 |  A6A1 |  A6B1 |  A6C1 |  A6D1 |  A6E1 |  A6F1 |
| 2 |  A6A2 |  A6B2 |  A6C2 |  A6D2 |  A6E2 |  A6F2 |
| 3 |  A6A3 |  A6B3 |  A6C3 |  A6D3 |  A6E3 |  A6F3 |
| 4 |  A6A4 |  A6B4 |  A6C4 |  A6D4 |  A6E4 |  A6F4 |
| 5 |  A6A5 |  A6B5 |  A6C5 |  A6D5 |  A6E5 |  A6F5 |
| 6 |  A6A6 |  A6B6 |  A6C6 |  A6D6 |  A6E6 |  A6F6 |
| 7 |  A6A7 |  A6B7 |  A6C7 |  A6D7 |  A6E7 |  A6F7 |
| 8 |  A6A8 |  A6B8 |  A6C8 |  A6D8 |  A6E8 |  |
| 9 |  A6A9 |  A6B9 |  A6C9 |  A6D9 |  A6E9 |  |
| A |  A6AA |  A6BA |  A6CA |  A6DA |  A6EA |  |
| B |  A6AB |  A6BB |  A6CB |  A6DB |  A6EB |  |
| C |  A6AC |  A6BC |  A6CC |  A6DC |  A6EC |  |
| D |  A6AD |  A6BD |  A6CD |  A6DD |  A6ED |  |
| E |  A6AE |  A6BE |  A6CE |  A6DE |  A6EE |  |
| F |  A6AF |  A6BF |  A6CF |  A6DF |  A6EF |  |

UTC: 2007-02-09
 changed two names
 proposal N3213 - move
 Bamum by 2 cols
 added French names
 WG2: 2007-04-25
 document: L2/07-024,
 N3209
 contact: Everson
 font: UniA6A0Bamum
 target: Amd5

Syllables

| | | |
|------|---|----------------------|
| A6A0 | ᲀ | BAMUM LETTER A |
| A6A1 | ᲁ | BAMUM LETTER KA |
| A6A2 | ᲂ | BAMUM LETTER U |
| A6A3 | ᲃ | BAMUM LETTER KU |
| A6A4 | ᲄ | BAMUM LETTER EE |
| A6A5 | ᲅ | BAMUM LETTER REE |
| A6A6 | ᲆ | BAMUM LETTER TAE |
| A6A7 | ᲇ | BAMUM LETTER O |
| A6A8 | ᲈ | BAMUM LETTER NYI |
| A6A9 | Ᲊ | BAMUM LETTER I |
| A6AA | ᲊ | BAMUM LETTER LA |
| A6AB | ᲋ | BAMUM LETTER PA |
| A6AC | ᲌ | BAMUM LETTER RII |
| A6AD | ᲍ | BAMUM LETTER RIEE |
| A6AE | ᲎ | BAMUM LETTER LEEEEE |
| A6AF | ᲏ | BAMUM LETTER MEEEEE |
| A6B0 | Ა | BAMUM LETTER TAA |
| A6B1 | Ბ | BAMUM LETTER NDA |
| A6B2 | Გ | BAMUM LETTER NJAEM |
| A6B3 | Დ | BAMUM LETTER M |
| A6B4 | Ე | BAMUM LETTER SUU |
| A6B5 | Ვ | BAMUM LETTER MU |
| A6B6 | Ზ | BAMUM LETTER SHII |
| A6B7 | Თ | BAMUM LETTER SI |
| A6B8 | Ი | BAMUM LETTER SHEUX |
| A6B9 | Კ | BAMUM LETTER SEUX |
| A6BA | Ლ | BAMUM LETTER KYEE |
| A6BB | Მ | BAMUM LETTER KET |
| A6BC | Ნ | BAMUM LETTER NUAE |
| A6BD | Ო | BAMUM LETTER NU |
| A6BE | Პ | BAMUM LETTER NJUAE |
| A6BF | Ჟ | BAMUM LETTER YOQ |
| A6C0 | Რ | BAMUM LETTER SHU |
| A6C1 | Ს | BAMUM LETTER YUQ |
| A6C2 | Ტ | BAMUM LETTER YA |
| A6C3 | Უ | BAMUM LETTER NSHA |
| A6C4 | Ფ | BAMUM LETTER KEUX |
| A6C5 | Ქ | BAMUM LETTER PEUX |
| A6C6 | Ღ | BAMUM LETTER NJEE |
| A6C7 | Ყ | BAMUM LETTER NTEE |
| A6C8 | Შ | BAMUM LETTER PUE |
| A6C9 | Ჩ | BAMUM LETTER WUE |
| A6CA | Ც | BAMUM LETTER PEE |
| A6CB | Ძ | BAMUM LETTER FEE |
| A6CC | Წ | BAMUM LETTER RU |
| A6CD | Ჭ | BAMUM LETTER LU |
| A6CE | Ხ | BAMUM LETTER MI |
| A6CF | Ჯ | BAMUM LETTER NI |
| A6D0 | Ჰ | BAMUM LETTER REUX |
| A6D1 | Ჱ | BAMUM LETTER RAE |
| A6D2 | Ჲ | BAMUM LETTER KEN |
| A6D3 | Ჳ | BAMUM LETTER NGKWAEN |
| A6D4 | Ჴ | BAMUM LETTER NGGA |
| A6D5 | Ჵ | BAMUM LETTER NGA |
| A6D6 | Ჶ | BAMUM LETTER SHO |
| A6D7 | Ჷ | BAMUM LETTER PUAE |
| A6D8 | Ჸ | BAMUM LETTER FU |
| A6D9 | Ჹ | BAMUM LETTER FOM |

| | | |
|------|---|---|
| A6DA | Ჺ | BAMUM LETTER WA |
| A6DB | ᲻ | BAMUM LETTER NA |
| A6DC | ᲼ | BAMUM LETTER LI |
| A6DD | Ჽ | BAMUM LETTER PI |
| A6DE | Ჾ | BAMUM LETTER LOQ |
| A6DF | Ჿ | BAMUM LETTER KO |
| A6E0 | ᳀ | BAMUM LETTER MBEN |
| A6E1 | ᳁ | BAMUM LETTER REN |
| A6E2 | ᳂ | BAMUM LETTER MEN |
| A6E3 | ᳃ | BAMUM LETTER MA |
| A6E4 | ᳄ | BAMUM LETTER TI |
| A6E5 | ᳅ | BAMUM LETTER KI |
| A6E6 | ᳆ | BAMUM LETTER MO also used for digit one |
| A6E7 | ᳇ | BAMUM LETTER MBAA also used for digit two |
| A6E8 | ᳈ | BAMUM LETTER TET tèt also used for digit three |
| A6E9 | ᳉ | BAMUM LETTER KPA also used for digit four |
| A6EA | ᳊ | BAMUM LETTER TEN tèn also used for digit five |
| A6EB | ᳋ | BAMUM LETTER NTUU also used for digit six |
| A6EC | ᳌ | BAMUM LETTER SAMBA also used for digit seven |
| A6ED | ᳍ | BAMUM LETTER FAAMAE also used for digit eight |
| A6EE | ᳎ | BAMUM LETTER KOVUU also used for digit nine |
| A6EF | ᳏ | BAMUM LETTER KOGHOM also used for digit zero formerly used for number ten |

Combining marks

| | | |
|------|---|--------------------------------|
| A6F0 | ᳐ | BAMUM COMBINING MARK KOQNDON |
| A6F1 | ᳑ | BAMUM COMBINING MARK TUKWENTIS |

Punctuation

| | | |
|------|---|---------------------|
| A6F2 | ᳒ | BAMUM NJAEMLI |
| A6F3 | ᳓ | BAMUM FULL STOP |
| A6F4 | ᳔ | BAMUM COLON |
| A6F5 | ᳕ | BAMUM COMMA |
| A6F6 | ᳖ | BAMUM SEMICOLON |
| A6F7 | ᳗ | BAMUM QUESTION MARK |